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ABSTRACT

The present invention provides purified and isolated polynucleotide molecules that encode *Chlamydia* polypeptides which can be used in methods to prevent, treat, and diagnose

5 *Chlamydia* infection. In one form of the invention, the polynucleotide molecules are selected from DNA that encode polypeptides CPN100634 (SEQ ID Nos: 1, 2 and 11), CPN100635 (SEQ ID Nos: 3, 4, 12 and 13), CPN100638 (SEQ ID Nos: 5, 6 and 14), CPN100639 (SEQ ID Nos: 7, 8 and 15), CPN100708 (SEQ

10 ID Nos: 9, 10 and 16).